Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/20/2018 10:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124474	-1	1.32	124478	1.35
Blue	F	SSC	125000	123781	-1	1.71	124497	1.69
Blue	E	FITC	15760	15304	-3	2.92	331	21.99
Blue	D	PE	25880	25218	-3	1.93	548	16.73
Blue	B	PerCP-Cy5-5	34075	33943	-1	4.18	1039	23.07
Blue	A	PE-Cy7	22776	22795	0	7.23	555	44.67
Red	C	APC	42488	41294	-3	2.70	1563	13.59
Red	A	APC-Cy7	24478	24044	-2	2.91	825	13.52
Violet	B	V450	6304	6122	-3	4.02	348	17.54
Violet	A	V500	26005	25236	-3	3.63	593	12.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20587	5.34	605	8	N/A	N/A	Pass
Blue	F	SSC	56053	1.13	569	14	N/A	N/A	Pass
Blue	E	FITC	59	74.13	560	4	0.0169	238	Pass
Blue	D	PE	115	57.86	554	5	0.1321	317	Pass
Blue	B	PerCP-Cy5-5	195	56.53	654	7	0.0071	73	Pass
Blue	A	PE-Cy7	108	111.68	707	10	0.0093	29	Pass
Red	C	APC	369	28.31	603	3	0.0188	97	Pass
Red	A	APC-Cy7	203	28.78	575	4	0.0042	500	Pass
Violet	B	V450	58	76.52	492	3	0.0259	2157	Pass
Violet	A	V500	89	43.70	509	3	0.0143	1063	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.34	-30.82	0.94
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	15.75	13.60 - 20.40	N/A	N/A	30.72	31.31	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10812

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments